



Legislation Details (With Text)

**File #:** K-1516-100    **Version:** 1    **Name:** Final Change Order No. 2 to Contract for West Main Street Bridge over Brookhaven Creek  
**Type:** Contract    **Status:** Passed  
**File created:** 1/27/2017    **In control:** City Council  
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**Title:** CHANGE ORDER NO. TWO TO CONTRACT K-1516-100: BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND CENTRAL CONTRACTING SERVICES, INC., INCREASING THE CONTRACT AMOUNT BY \$24,405 FOR A REVISED CONTRACT AMOUNT OF \$410,375 AND ADDING NINE (9) CALENDAR DAYS TO THE CONTRACT FOR THE MAIN STREET BRIDGE OVER BROOKHAVEN CREEK WATER LINE AND SANITARY SEWER RELOCATION PROJECT AND FINAL ACCEPTANCE OF THE PROJECT.

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**Attachments:** 1. Text File CO K-1516-100, 2. Location Map, 3. Change Order

Date	Ver.	Action By	Action	Result
2/28/2017	1	City Council		

CHANGE ORDER NO. TWO TO CONTRACT K-1516-100: BY AND BETWEEN THE CITY OF NORMAN, OKLAHOMA, AND CENTRAL CONTRACTING SERVICES, INC., INCREASING THE CONTRACT AMOUNT BY \$24,405 FOR A REVISED CONTRACT AMOUNT OF \$410,375 AND ADDING NINE (9) CALENDAR DAYS TO THE CONTRACT FOR THE MAIN STREET BRIDGE OVER BROOKHAVEN CREEK WATER LINE AND SANITARY SEWER RELOCATION PROJECT AND FINAL ACCEPTANCE OF THE PROJECT.

**BACKGROUND:** The existing West Main Street Bridge over Brookhaven Creek was constructed in 1972. This bridge is identified in the City’s adopted Storm Water Master Plan as being “hydraulically deficient”; it is unable to convey stormwater from a ten-year or 10% storm. This condition likely caused the bridge to sustain serious damage in the flood of August 19, 2007. City crews made temporary emergency repairs at that time to keep the bridge in service. On January 27, 2009, the Norman City Council approved programming Resolution R-0809-96 requesting federal funds to replace the bridge and roadway approaches on West Main Street over Brookhaven Creek, located ½ mile west of 36<sup>th</sup> Avenue West. On August 11, 2009, City Council approved Contract K-0910-56 with Garver, LLC for the preliminary design of this project. On June 22, 2010, Council approved Amendment No. 1 for the final design of this project. On January 8, 2013, Council approved Amendment No. 2 modifying the design of the creek improvements which reduced the number of mobile home relocations from nine to two.

On August 28, 2012, Norman voters approved a General Obligation Bond Issue for eight major transportation/storm water projects throughout Norman in the amount of \$42.5 million. The West Main Street Bridge Project is one of those eight infrastructure projects. The total estimated cost of the project is \$5,545,385, of which federal funds will pay \$3,897,094 or 70.2%.

On April 22, 2014, Council approved Contract K-1314-137 a Right of Way, Utility and Encroachment agreement with the Oklahoma Department of Transportation. This agreement stipulates that the City will acquire all rights-of-way required for the project, grant ODOT access to and the use of the right-of-way for this project, relocate all utilities and encroachments from the construction area and to indemnify and hold ODOT harmless.

One of the City’s key obligations of this project was to relocate all existing utilities in the corridor that may be in conflict with the street and stormwater improvements. On June 14, 2016 the Council approved Contract K-1516-100 in the amount of \$485,288 with Central Contracting Services for the relocation of the City’s water and sanitary sewer lines.

Council also approved Change Order No. 1 to the contract which reduced the contract by \$99,318 to \$385,970 by redesigning the project to install the sewer line by open cutting the roadway instead of a horizontal bore.

**DISCUSSION:** Construction projects are awarded to the lowest responsible bidder. Contractor bids are submitted using estimated plan quantities multiplied by the contractor's unit prices for all bid items of the contract. The total of all of these costs represents the contractor's total bid. During construction, each quantity is measured in the field and the contractor is paid based on the actual quantity of each bid item. This contract has 57 bid items.

This final Change Order No. 2 reconciles the contract based on the unit bid prices and the actual measured quantities. In all, only bid item 43, Street Repair, had a change in quantity. When the contractor was excavating across Main Street to install the sanitary sewer line they found one of the original bridge supports that is estimated to have been constructed in the 1930s buried under the roadway. This bridge support conflicted with the placement of the sanitary sewer; so the contractor dug around the bridge support to remove it. In the early 1970s, the Brookhaven Creek Channel was realigned to the west of its original location so removing the support did not affect the current bridge. Removing the original bridge support required removing and replacing additional pavement that was not accounted for during design. This change caused an increase of \$24,405 and added four days to the contract. This change increased the total contract by 6.3 percent for a final contract amount of \$410,375. Funding is available in West Main Street Bridge over Brookhaven Creek, Utilities (account 050-9352-431.67-01; project BP0194).

**RECOMMENDATION NO. 1:** Staff recommends approval of Change Order No. 2 increasing Contract K-1516-100 with Central Contracting Service by \$24,405 and adding 9 calendar days

**RECOMMENDATION NO. 2:** Staff further recommends acceptance of the West Main Street Bridge over Brookhaven Creek Water and Sanitary Sewer Relocation Project and authorize final payment in the amount of \$43,703.50.